

Good weed control needed in no-till soybeans

NEWARK, Del. - Good weed control is the key to profitable no-tillage soybeans in Delaware. This is an important point to remember in a state where it

is estimated that 40 percent of the soybeans are growing under no-tillage following wheat and barley.

Failure to control weeds leads to reduced yields and

this has caused a number of growers to critically examine their production practices. As a result, reports University of Delaware Extension agronomist Dr. William H. Mitchell, in some cases land is being disked before planting with no-tillage equipment and it is not unusual to once again see grain stubble fields being

turned with a moldboard plow.

For lack of a dependable weed control program, potential savings in time, labor, energy and moisture are being lost.

A strong demand for grain straw may have contributed to some of the weed control failures in no-tillage beans, explains the agronomist. With barley and wheat straw

selling for \$30 a ton, growers have cut low in order to harvest as much straw as possible. Without realizing it, this practice may be costing them money in terms of reduced soybean yields.

Tests at the University of Delaware's Georgetown Substation have shown that a short stubble height may be associated with poor weed control.

In these tests a five inch to six inch barley stubble was compared with 10 inch and 15 inch stubble heights for the production of no-tillage soybeans. There was a yield advantage of about five bushels in favor of the highest stubble height. "At current prices it would probably be better to leave the straw and grow the extra beans," notes Mitchell.

High stubble caused beans to grow taller, and both stubble and bean plants

contributed to rapid shading of the ground - which discouraged weed growth. Though most of the yield increase came as a result of improved weed control, high stubble also caused soybean pods to develop well above the ground and under commercial farming conditions this could make harvest a little easier and reduce field losses.

In these tests soybeans were planted in 20-inch rows using a no-till planter equipped with fluted coulters and ribbed press wheels.

Good control of weeds at planting time by use of an effective "knock-down" herbicide cancelled out the desirable effects of a high stubble.

Paraquat at one pint per acre with a five inch stubble produced the lowest yields.

Yields were raised about the

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PUBLIC SALE FULL LINE FARM MACHINERY & SHOP-CARPENTER TOOLS SATURDAY, MARCH 17

11:00 A.M.

Located in Lancaster Co. 8 miles East of Intercourse, 2 miles North of Cains, 5 miles Southwest of Honey Brook Rt. 340 to Churchtown Rd. turn North, 2 miles to Guy Rd. Watch for signs.

FARM MACHINERY

404 Farmall gas tractor, front & rear weights, 1700 hrs., 3 ft. A-1 cond.; Farmall C with pulley, A-1; Massey Harris tractor with loader; Oliver 2 bottom 16 in. plow 3 ft.; 3 section spring tooth harrow; 28 disc disc harrow, drag type; 8 ft. steel field roller; NH 68 hay baler PTO; 2 flat bed wagons; 1 JD wide tread gear; Int. 7 ft. bar mower, 2 pt. hitch; JD roto bar hay rake; Int. 1 PR 1 row corn picker; NH grain bin, 7 ton gear; Int. 2 row corn planter, fertilizer & herbicide attach.; front mounted weed sprayer; cultivators to fit Farmall C; post hole digger fits C; 1 row transplanter; concrete mixer with pulley; JD single bottom trailer plow; MC hammermill; 13 disc Superior grain drill; NI 7 ft. hay conditioner; small wheels; NH circular saw; NI manure spreader, ground driven; approx. 100 locust posts, tobacco shears & hoers, Wisconsin engine; endless belt; 2 way hydraulic cylinder; NI 3 bar rake; Minnich tobacco press; Poulan chain saw; small items off wagon sold first.

SHOP & CARPENTER TOOLS

Craftsman Radial arm saw like new; cut off & platform scales; skill saw; drills; grinders; sander; wood lath; full set of plumbing tools, roto tiller; Hamko 26 in. riding mower; reel mower with engine.

Approximately 5 ton ear corn.

Campbell air compressors - like new.

Terms by
RUTH H. GUY

Auctioneer -
Steve Petersheim
215-869-2508

Lunch Available

PUBLIC SALE FULL LINE FARM MACHINERY, EAR CORN & HAY THURSDAY, MARCH 22

10:30 A.M.

Located in Chester Co., PA, 8 miles South of Gap, 1 mile West of Cochranville on Steelville Rd. take Rt. 41 to Steelville Rd. Watch for signs.

FARM MACHINERY

JD 3010 gas tractor, 3 pt. Standard shift, rear wheel weights, A-1 cond.; JD 50 A-1 cond. live P.T.O.; JD A Cyclone; JD MT recently overhauled P.T.O. pulley; JD 35 manure loader & bucket; JD 3 bottom 16" plow 3 pt.; JD 28 disc transport disc harrow; Int. 4 section spring harrow; J 10 ft. cultipacker; JD 2 row corn planter, fertilizer attach.; NI 323 1 row corn picker, A-1 condition; 185 bu. grain bin on 7 ton gear; 3 section spike harrow; Gehl forage wagon; NI 7 ft. conditioner A-1 cond.; 7 ft. JD hay crumper; JD hay rake; 7 ft. JD hay fluffer, PTO; 620 Oliver baler, with thrower Roto-Flo-Feed; NH super 66 baler; Int. 7' bar mower, 2 pt. hitch; 5 flat bed wagons, 2 w/bale sides; 30 ft. Farmec bale elevator, like new w/corn hopper, 16 ft. small grain elevator; 20 ft. bale elevator with motor; NI manure spreader, A-1 cond. new web PTO; NI manure spreader ground driven; JD bin & fertilizer drill; JD 16A green chopper; JD 2 row cultivator fit 3010; JD 2 row cultivator full set fit A; Cockshutt grain drill; MF weed sprayer, PTO; 2 hole corn sheller; 1 DeLaval milker unit; wheel barrow seeder; 2 Jamesway gutter cleaners; garden tractor with attachment; Strunk riding mower; iron water troughs; SS twin tubs, 2 SS strainers; House doors and windows; tools, etc.; 2 wagon small items sold first.

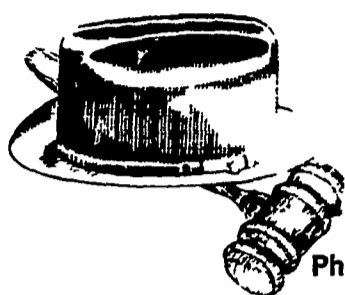
Approx. 25 ton 2nd, 3rd cutting Alfalfa, clean; approx. 70 ton ear corn.

This Machinery is in FINE condition.

Terms By
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Auctioneer -
Steve Petersheim
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Lunch by Cochranville Presbyterian Church



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5:30 P.M.

FURNITURE AND COLLECTIBLES

Large Cannon No. 18 pot belly stove, platform scale, rolls of barb wire, copper wash boiler, dinner bell, Homelite 23" chain saw plus 5 other chain saws, lots of new bolts, washers, mail boxes, pictures & frames, new 8" stove pipe, new fireplace grates plus lots more.

For More Information Write or Phone:

Wilbur Hosler, Auctioneer (717) 626-0254

Harold K. Galebach, Partner

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Receiving Hours: Monday, Noon to 9 P.M.

Wednesday, 9 A.M. to 5 P.M.; Tuesday, Pickup Day.

Positively No More Garage Sale Leftovers
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PUBLIC SALE SATURDAY, MARCH 3

10:00 A.M.

Located 5 miles east of Mifflintown, Juniata County. Sale sign along old route 22 at Legion Bldg. in Mifflintown.

HOUSEHOLD ITEMS & TOOLS

SELLING 10:00 A.M.

MACHINERY 12:00 NOON

McCormick F 30 tractor on steel; JD 14 T. baler w/motor; Frick 22" threshing machine; 6 ft. #9 McCormick mower, wide traction; McCormick 7 ft. grain binder; #10 A manure spreader, A1; McCormick corn binder; baler cart w/hill hitch; hyd. unit; 7 1/2 hp. Deutz w/hand clutch; Lehigh compressor 2 open buggys; 1 top buggy; 1 spring wagon; Stauffer stainless steel 10 can cooler; other farm machinery & farm related items.

5 DRAFT HORSES - 1:30 P.M.

Team gray Percheron geldings, (5 yrs. old), w/size & quality, don't miss team; gray Percheron Filly. (2 yr. old); sorrel Belgian mare, 3 yrs. old (eligible); sorrel gelding, 9 yrs. old.

40 REGISTERED HOLSTEINS

2:00 P.M.

Vacc.-30 day health tests, consisting of 27 bred heifers, 3 due Mar. 1, May 13, July & Aug. 10, Sept. & Oct.; 11 open heifers from yearlings down to 6 mo. Sired by some of the top A.1. bulls, including Elevation, Astronaut, Jet Stream, Job, Tippy, Fury Ivan, Bronson, etc. Most of the dams have good records. 1 Service age bull & service sire for a good number of the bred heifers, sired by Elevation from an 800 Kingpin dam. 1 bull 6 mo. old by Kingpin from an Elevation with 16,359M as a 2 yr. old. A very outstanding group.

WRITE OR CALL FOR CATALOG.

CATTLE SALE IN TENT.

TERMS: CASH OR GOOD CHECK.

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Farm is on Rt. 579, second on left, just off Rt. 12 the main road between Flemington & Frenchtown, N.J. 8 mi. off Rt. 12. Auction arrows posted.

SATURDAY, FEB. 24

9:30 A.M.

Blizzard Date: Mon. Feb. 26

1969 Chev. truck w/14 ft. body & hoist & 27,000 miles, 1973 Buick LaSaber w/44,000 miles, 2 John Deere A. tractors, 30' J.D. elevator, J.D. 5 bottom pull type plow, 2 row J.D. #226 mtd. corn picker, J.D. ground driven manure spreader, J.D. belt corn sheller, old J.D. 10' self propelled combine, N.H. baler w/kicker, N.H. hammer mill, Int. flail chopper, 2 N.I. pull type 7' mowers, 2 wagons w/bale bodies, 15'-4" auger w/motor, Oliver & Ontario grain disc. drills on steel, Int. & J.D. 4 row cornplanters (old), 12' springtooth harrow, Plato wagon unloader, Keenco auto chicken feeder w/chain, M.K.D. 3 pt. hitch log splitter (like new), Simplicity & Sears 24" riding lawn mowers, Sears & M.M.M. rototillers, 5 elect. brooder stoves, 32' wood ext. ladder, log chains, Hamburg walking plow, 4 bales twine, 600 bales Timothy hay, 200 bu. oats, 150 bu. wheat, plus much more unlisted. Some machinery good, some scrap, & some as is.

Not responsible for accidents.

Save Ad - Last Notice

Terms: Cash or a Good Check

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